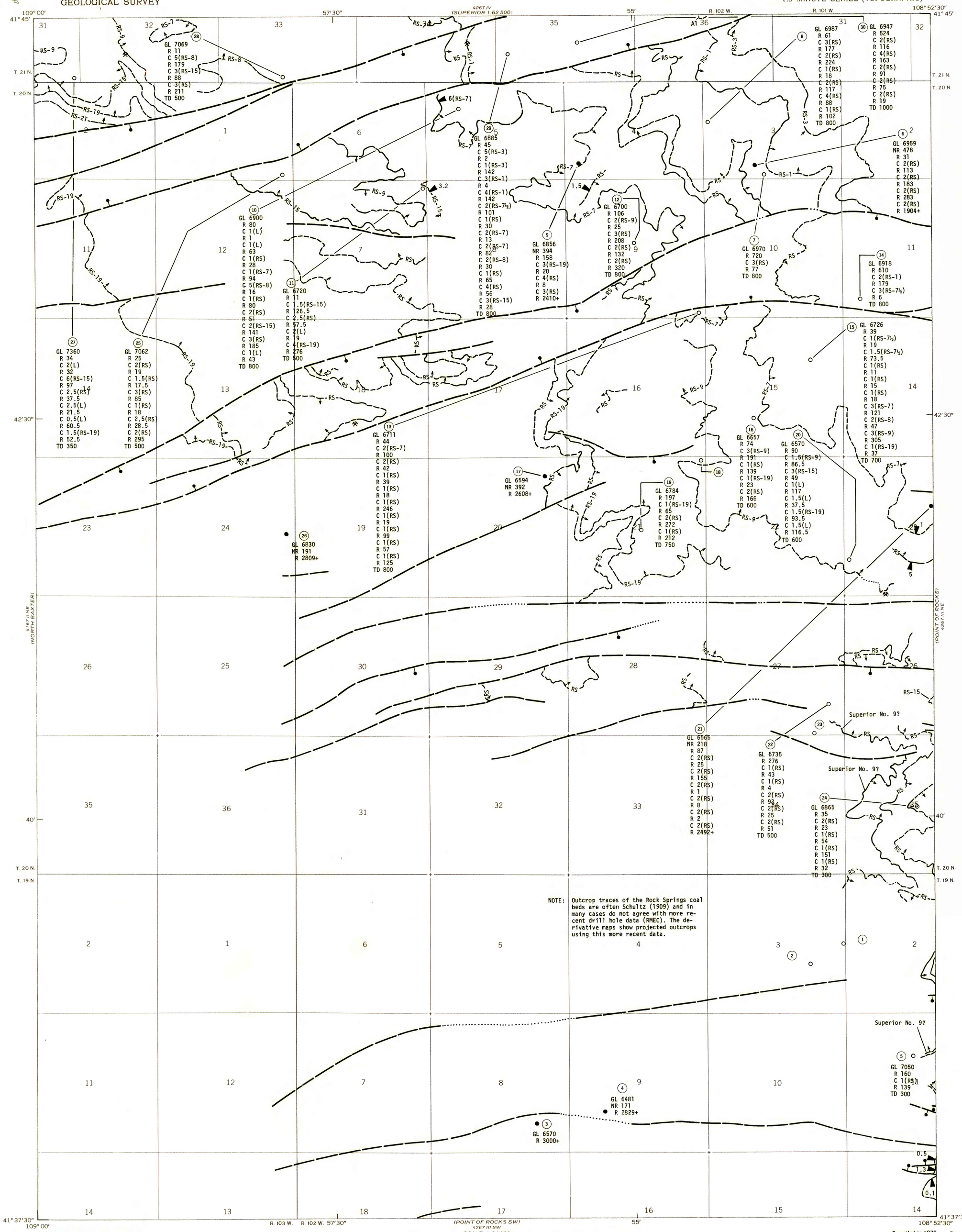
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

THAYER JUNCTION QUADRANGLE
WYOMING—SWEETWATER CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)



NOTE: Outcrop traces of the Rock Springs coal beds are often Schultz (1909) and in many cases do not agree with more recent drill hole data (RMEC). The derivative maps show projected outcrops using this more recent data.

Base from U.S. Geological Survey, 1968

Compiled in 1978

SCALE 1:24 000

1 ½ 0 1 MILE

1000 0 1000 2000 3000 4000 5000 6000 7000 FEET

1 .5 0 1 KILOMETER

GN MN 1°22' 24 MILS 15½° 276 MILS

UTM GRID AND 1968 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

WYOMING

QUADRANGLE LOCATION

COAL RESOURCE OCCURRENCE MAP OF THE THAYER JUNCTION QUADRANGLE, SWEETWATER COUNTY, WYOMING

BY

DAMES & MOORE

1979

EXPLANATION

○ (5) GL 7050 R 160 C 1(RS) R 139 TD 300

COAL TEST HOLE - Showing drill-hole data, in feet. Index number refers to hole on plate 3 of CRO map or in table of text. Letters designate name of coal bed as listed below.

● (9) GL 6856 NR 394 R 158 C 3(RS-19) R 20 C 4(RS) R 8 C 3(RS) R 2410+

OIL AND GAS TEST HOLE - Showing drill-hole data, in feet. Index number refers to hole on plate 3 of CRO map or in table of text. Letters designate name of coal bed as listed below.

GL - Ground level elevation
NR - No record
R - Rock interval
C - Coal interval
TD - Total depth

TEST HOLE AND MEASURED-SECTION DATA SYMBOLS

Al - Almond, undifferentiated
RS-3 - Rock Springs No. 3
RS-1 - Rock Springs No. 1
RS-7½ - Rock Springs No. 7½
RS-7 - Rock Springs No. 7
RS-8 - Rock Springs No. 8
RS-9 - Rock Springs No. 9
RS-15 - Rock Springs No. 15
RS-19 - Rock Springs No. 19
RS-21 - Rock Springs No. 21
RS - Rock Springs, undifferentiated
L - Local

COAL BED SYMBOLS AND NAMES

1.5 RS

TRACE OF COAL BED OUTCROP - Showing thickness of coal, in feet, measured at triangle. Letters designate name of coal bed as listed above. Arrow points toward coal-bearing area. Dashed where inferred; dotted where concealed. Trace of outcrop modified (from original data source) to fit modern topographic map.

TRACE OF FAULT - Symbols designate direction of movement when known; bar and ball on down-thrown side. Dashed where inferred; dotted where concealed.

Abandoned

UNDERGROUND COAL MINE - Showing name of mine, if known.

To convert feet to meters, multiply feet by 0.3048.

REFERENCES

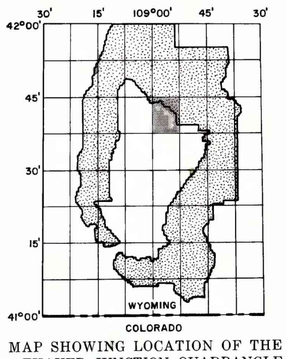
Madden, D. J., 1979, Preliminary geologic map of the Point of Rocks quadrangle, Sweetwater County, Wyoming: U.S. Geol. Survey.

Rocky Mountain Energy Co., (no date), Unpublished drill hole data from the Union Pacific coal inventory of 1969-1970.

Roehler, H. W., 1978, Correlations of coal beds in the Rock Springs Formation in measured sections on the east flank of the Rock Springs uplift, Sweetwater County, Wyoming: U.S. Geol. Survey Open-File Report 78-247.

Schultz, A. R., 1909, The northern part of the Rock Springs coal field, Sweetwater County, Wyoming, in Coal fields of Wyoming: U.S. Geol. Survey Bull. 341-B, p. 256-282.

NOTE: Indexed drill holes without coal-rock data are identified in the text of the report and the coal-rock data for each hole is available from Rocky Mountain Energy Co.



MAP SHOWING LOCATION OF THE THAYER JUNCTION QUADRANGLE (SHADED) AND THE ROCK SPRINGS KNOWN RECOVERABLE COAL RESOURCE AREA (STIPPLED), WYOMING

This report has not been edited for conformity with U.S. Geological Survey editorial standards or stratigraphic nomenclature.

PLATE 1
COAL DATA MAP